Part 8 · Number Search & Magic Square

Work out each answer below, then find it hidden in the digit grid — across, down, diagonally or backwards.

2	6	8	8	2	4	1	5	2	6	9	6	9
3	0	3	0	3	8	7	7	2	2	1	2	1
2	9	3	4	3	8	9	2	6	1	8	2	3
2	1	3	8	3	9	7	5	9	2	3	8	6
8	3	1	2	0	9	0	5	4	1	6	0	2
8	2	1	9	6	8	0	2	2	4	7	0	2
8	8	2	2	2	1	3	0	5	3	9	5	4
3	2	1	9	1	1	4	0	1	3	3	8	5
5	5	4	5	4	0	2	6	4	1	7	3	0
5	2	4	4	5	6	8	7	0	9	9	7	4
1	8	0	1	1	7	7	3	1	4	9	0	4
4	8	2	0	6	5	8	3	3	1	5	7	1
3	5	2	0	1	8	2	7	8	3	4	8	4

☐ 119	☐ 20	☐ 13	☐ 25	☐ 16
☐ 7	☐ 3	☐ 8	☐ 9	☐ 4

Magic Square — every row, column and diagonal adds to the same total.

8	**1**	
3		
	9	**2**

Magic constant: 15. Fill the empty cells.

One right angle — tangent meets radius at 90° — and one pair of equal segments — tangents from an external point — unlock every question in this chapter. Spot them, and the rest is Pythagoras and congruent triangles. ⊙